

Title (en)
ROTATABLE CONNECTOR DEVICE

Title (de)
DREHBARE STECKVERBINDERVORRICHTUNG

Title (fr)
DISPOSITIF DE RACCORD ROTATIF

Publication
EP 2693577 B1 20180704 (EN)

Application
EP 12765468 A 20120322

Priority

- JP 2011071368 A 20110329
- JP 2012057265 W 20120322

Abstract (en)
[origin: EP2693577A1] The present invention has an object of providing a steering roll connector 10 which includes relative rotation restriction means and thus can be suppressed in height in an axial direction and can fulfill the requirement of size reduction. The steering roll connector 10 includes a stator 30 and a rotator 20 which are in engagement with each other coaxially so as to be rotatable with respect to each other in a clockwise direction and a counterclockwise direction, and also includes relative rotation restriction means for restricting the stator 30 and the rotator 20 from rotating with respect to each other. The relative rotation restriction means includes a stop section 34 protruding inward in a diametrical direction from the stator 30; a rotation restriction body 60 rotatable together with the rotator 20 and engageable with the rotator 20 so as to be movable between a restriction position and a restriction release position in the axial direction of the rotator 20; and urging means for elastically supporting the rotation restriction body 60 toward the restriction position. The urging means includes a thin plate-like elastic member 70 including a plurality of tongue sections 72 for elastically supporting the rotation restriction body 60.

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CPC (source: EP KR US)
B60R 16/027 (2013.01 - EP KR US); **F16D 3/12** (2013.01 - US); **H01R 35/025** (2013.01 - EP US); **H01R 35/04** (2013.01 - KR)

Citation (examination)
US 5637005 A 19970610 - BANNAI HIROYUKI [JP], et al

Cited by
US11552437B2

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